| ,,, | • | Claims |  |
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| Application No. | Applicant(s)   |  |
|-----------------|----------------|--|
| 10/028,737      | KULSETH ET AL. |  |
| Examiner        | Art Unit       |  |
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| Cla      | aim      |   | Da                       | ate   |                 | 34         | Cla      | im       |                |         | Date            |                    |  |       | CI       | aim        |                         |         |  | Dat                | <u></u> -   |          |          |          |
|----------|----------|---|--------------------------|---|-----------------|------------|----------|----------|----------------|---------|-----------------|--------------------|--|-------|----------|------------|-------------------------|---------|--|--------------------|---|----------|----------|----------|
|          | =        | 10  |                          |   |                 |            | T        |          |                |         | П               | T                  |  |       |          |            | П                       |         | T                                      |                    |   |          |          |          |
| Final    | Original | 10<br>28<br>04                                    |                          |   |                 |            | ज        | Original |                |         |                 |                    |  |       | <u> </u> | Original   |                         | - 1     | ļ                                      |                    |   |          |          |          |
| iii      | [편       | ا مُنت  |                          |   |                 |            | Final    | Ē        |                |         | 1 1             |                    |  |       | Final    | Ğ          |                         |         |  |                    |   |          |          |          |
|          | 0        | 04-   |                          | 1   |                 | - 3        |          | 0        |                |         |                 |                    |  |       |          | 0          | Ιİ                      | İ       |  | 1                  |   |          | İ        |          |
|          | 1        | ÷   |                          | ++-   | 1-              | , j        |          | 51       | 1 1            | +       |                 | $\top$             |  |       |          | 101        |                         | $\top$  | +-                                     | ╁╌                 | ┢   |          | $\dashv$ |          |
|          | 2        | 1. 1  |                          | +   |                 |            |          | 52       | ++             |         | ++              | -                  | <del>                                     </del> |       |          | 102        | ┝═┼                     |         | +-                                     | ╁╴                 | <u> </u>  |          | $\dashv$ |          |
|          | 3        | $\Box$  | $\rightarrow$            | ++  |                 |            |          | 53       | ++             | +-      | ╁╌┼             |                    | $\vdash$   | 1     |          | 103        | $\vdash$                | +       | +-                                     | ╁╌                 |   | -        | -        |          |
|          | 4        | <del>                                     </del>  |                          |   |                 | 1          |          | 54       | ++             |         | $\vdash$        | +                  | <del>    -</del>                                 |       |          | 104        | ┝                       |         | +-                                     | +-                 |   |          |          |          |
| <u> </u> | 5        | H   | -                        |   |                 | 43         |          | 55       | ++             | +       | -               |                    | <del>   </del> -                                 | -     |          | 105        | $\vdash$                | +       | +-                                     | ╁╌                 | H   |          | -        |          |
|          | 6        | ++-+  |                          | <del></del>   |                 |            |          | 56       | ++             | +       |                 |                    | -  | -     |          | 106        | $\vdash \dashv$         | +       | ╁                                      | ┼                  | H   | $\dashv$ | $\dashv$ |          |
|          | 7        | <del>                                     </del>  |                          |   | $\vdash\vdash$  | . T        | -        | 57       | ++             | +       |                 | _                  | $\vdash$   | -     |          | 107        | $\vdash$                |         | +-                                     | +-                 |   | -+       | $\dashv$ | -        |
| -        | 8        | +++   |                          |   |                 | T.         |          | 58       | +-+            |         |                 |                    |  | -     | -        | 107        | $\vdash$                | +       | +-                                     | +                  |   | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 9        | $H \rightarrow$                                   |                          | <del>-   </del>                                     |                 | Ä,         |          | 58       |                |         |                 |                    | -  |       | <u> </u> | 108        | ├─┼                     | +       | +-                                     | +                  |   | $\dashv$ | -        | -1       |
|          |          |   | ++                       |   |                 | VĒ.        |          | 59       | -  -           |         | <b>├</b> ├      |                    | $\vdash$   | -     |          | 109        | $\vdash$                |         | +-                                     | +-                 | $\vdash$  | _        | -        | —        |
| <u> </u> | 10       | +   |                          |   | <b></b>         | -64        |          | 60       | ++             |         | <b>├</b>        |                    | $\vdash$   | -     | <u> </u> | 110        |                         | - -     | 4-                                     | <b> </b>           |   |          |          | _        |
| <u> </u> | 11       | $\sqcup \sqcup$                                   | -                        | +   |                 |            |          | 61       | $\perp$        |         |                 |                    | <u> </u>   | 4     | -        | 111        | $\Box$                  | $\bot$  |  | _                  |   |          | _        | _        |
| <u> </u> | 12       | 1   | $\bot$                   | +   | $\Box$          |            |          | 62       | $\perp \perp$  | $\perp$ | $\sqcup \bot$   | _                  | $\vdash$   | 4     |          | 112        |                         |         |  | 1                  | $oxed{oxed}$  |          |          | _        |
|          | 13       |   | $\perp \downarrow \perp$ | $\perp \perp \perp$                                 |                 | 124<br>240 |          | 63       | $\perp \perp$  | $\perp$ | $\sqcup$        |                    | $\sqcup \!\!\! \perp$                            | 1     | ļ        | 113        | $\sqcup$                | $\perp$ | 4_                                     |                    |   |          |          | _        |
| L        | 14       |   | $\bot$                   | $\perp$   |                 |            |          | 64       | $\perp \perp$  | $\perp$ | $oxed{oxed}$    |                    | ot   |       | L        | 114        | Ш                       |         |  | 1                  | $ldsymbol{ld}}}}}}$ |          |          |          |
| L        | 15       |   |                          |   |                 |            |          | 65       |                |         |                 |                    |  | _     |          | 115        |                         |         |  | $\prod$            |   |          |          |          |
|          | 16       |   |                          |   |                 | 5          |          | 66       |                |         |                 | $oldsymbol{\perp}$ |  | ]     |          | 116        |                         |         |  |                    |   | $\Box$   | T        |          |
|          | 17       |   |                          |   |                 | 40         |          | 67       |                |         |                 |                    |  |       |          | 117        |                         |         | $\top$                                 | Т                  |   |          |          |          |
|          | 18       |   |                          |   |                 |            |          | 68       |                |         |                 |                    |  |       |          | 118        |                         |         |  |                    |   |          |          |          |
|          | 19       |   |                          |   |                 |            |          | 69       |                | 1       |                 |                    | T-T-   |       |          | 119        |                         |         |  | <b>—</b>           |   |          | ヿ        |          |
|          | 20       |   |                          |   |                 |            |          | 70       | 111            |         |                 |                    |  | 1     |          | 120        |                         | _       | 1                                      | T                  |   | $\neg$   | T        |          |
|          | 21       |   |                          |   |                 |            |          | 71       |                |         | $\Box$          | $\top$             |  | 7     |          | 121        |                         | _       | <del> </del>                           | 1                  |   |          |          | $\neg$   |
|          | 22       | <b>     </b>                                      |                          | +   |                 |            |          | 72       | 11             | i       | $\vdash$        |                    |  |       |          | 122        | -                       | +-      | +                                      | +                  |   | $\neg +$ | $\dashv$ | $\dashv$ |
| -        | 23       | <del>                                      </del> |                          |   | _               | 72         |          | 73       | 11             |         | <del>  -</del>  |                    |  | 1     |          | 123        | _                       | _       |  | +                  | -   | 一        | _        | ᅥ        |
|          | 24       | <del>                                      </del> | 11                       | 1   |                 |            |          | 74       | <del>  -</del> | +       |                 | +                  |  | -     |          | 124        | -                       | +       | +                                      | ╁                  |   |          | -        | $\dashv$ |
|          | 25       | <del>                                     </del>  | <del></del>              |   |                 | 77         |          | 75       | ++             |         |                 | +-                 |  | 1     |          | 125        | -                       | -       | +                                      | ╁                  | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 26       | <del>           </del>                            |                          |   |                 |            |          | 76       | ++             |         |                 | +                  |  | 1     |          | 126        |                         | +       | +                                      | +                  |   | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 27       |   | -                        | +   |                 |            | -i       | 77       | +              | +       |                 |                    | $\vdash$   | -     |          | 127        | $\vdash$                | +       |  | $\vdash$           |   |          | $\dashv$ | -        |
|          | 28       | $H \rightarrow$                                   |                          |   |                 |            |          | 78       | ++             |         |                 | +                  |  |       |          | 128        | $\dashv$                | -       | +                                      | +                  |   | -        |          | $\dashv$ |
|          | 29       | ╂╌┼╌┼   | -+-+                     | +   |                 | 34         | -        | 79       | +              |         |                 | -                  |  |       |          | 120        | -                       | -       | +                                      |                    |   | -        |          | -        |
|          | 30       |   | +                        | ++-   |                 |            |          | 80       | +-+            |         |                 | -                  |  | -:1   |          | 129<br>130 |                         | -       | +                                      | ╄                  | -   | -        | $\dashv$ |          |
| -        | 31       |   | -                        | +   | -               |            |          | 81       | ++             | -       | -               |                    |  | -155  |          | 130        |                         |         | +                                      | $\vdash$           |   | -        | -        | _        |
| -        | 32       | $\vdash$ $\vdash$ $\vdash$                        |                          | -   |                 |            |          | 82       | ++             | +       |                 |                    | <del></del>                                      | -     |          | 131        |                         |         | +-                                     | _                  | $\vdash$  | $\dashv$ | -        | 4        |
|          | 32       | +++   |                          | +   |                 |            | -        | 02       |                |         |                 | -                  | <b>├</b>   | and . | -        | 132        |                         |         |  | ١.,                |   |          | _        |          |
| <u> </u> | 33<br>34 | <del>                                     </del>  | ++                       | +   | -               | 1.27       |          | 83       | ++             |         | $\vdash$        | +                  | $\vdash$   | 450   |          | 133        | _                       |         |  | <b> </b>           | Ш   | _        |          | _        |
|          | 34       | $\vdash$  | ++                       | ++  |                 | 5          | $\vdash$ | 84       | +              | - -     | $\vdash \vdash$ |                    | ⊢∔   | 400   |          | 134        | $-\downarrow$           |         |  | 1—                 |   | 4        | _        | $\dashv$ |
|          | 35       | $\vdash$  |                          | +   | $\square$       |            | <b> </b> | 85       | ++             |         | $\vdash$        | - -                |  |       | ļ        | 135        | _                       | _ _     | ┦—                                     | $\perp$            | $\Box$  | _        |          | _        |
| L        | 36       | $\sqcup \sqcup$                                   | -                        | +   | $\vdash \vdash$ | . 5        |          | 86       | ++             | —       | $\sqcup \bot$   |                    |  | 145   |          | 136        | $\dashv$                |         | ╄-                                     | $oldsymbol{\perp}$ |   | _        |          |          |
| L        | 37       | $\vdash$  | <del></del>              | + $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$   | <u> </u>        |            |          | 87       | 1              | - -     | $\sqcup$        |                    | $\sqcup \!\!\! \perp$                            | 4     |          | 137        |                         |         | ــــــــــــــــــــــــــــــــــــــ | $oxed{oxed}$       |   |          |          | _        |
|          | 38       |   | $\bot\!\!\!\bot$         | $\bot$  |                 | 44         |          | 88       | $\bot \bot$    |         |                 | $\perp$            | Ш.   |       |          | 138        |                         |         |  |                    |   |          |          |          |
| ļ        | 39       | $\sqcup \sqcup \sqcup$                            |                          | $\perp \downarrow \downarrow \downarrow \downarrow$ | Щ               |            |          | 89       | 1              |         | $\sqcup \bot$   |                    |  |       |          | 139        |                         |         |  | $\perp$            |   | $\Box$   |          |          |
| <u></u>  | 40       | $\sqcup \sqcup \sqcup$                            | $\bot$                   | $\bot \bot \bot$                                    |                 | No.        |          | 90       | $\perp \perp$  |         |                 |                    |  |       |          | 140        | $oldsymbol{\mathbb{J}}$ |         |  | L                  |   |          |          |          |
|          | 41       | $\sqcup \sqcup \sqcup$                            |                          | $\perp$   |                 | 陆          |          | 91       | $\perp$        |         |                 |                    |  |       |          | 141        | T                       |         |  |                    |   |          |          |          |
|          | 42       |   |                          |   |                 |            |          | 92       |                |         | $\Box T$        |                    | LT   |       |          | 142        |                         |         |  |                    | П   | $\neg$   |          |          |
|          | 43       |   |                          |   |                 |            |          | 93       |                |         |                 |                    |  | 783   |          | 143        | $\neg$                  |         |  |                    | П   |          |          |          |
|          | 44       |   |                          |   |                 |            |          | 94       |                |         |                 |                    |  |       |          | 144        |                         | 1       | 1                                      | 1                  | П   |          | 1        | $\neg$   |
|          | 45       |   |                          |   |                 |            | .        | 95       |                |         | $\Box$          | $\top$             |  |       |          | 145        | $\neg \uparrow$         |         | $\top$                                 | 1                  | Н   | $\dashv$ | 寸        | $\dashv$ |
|          | 46       |   |                          |   |                 |            |          | 96       | $\top \top$    | $\top$  |                 | $\neg$             |  |       |          | 146        | $\forall$               | $\top$  | _                                      | T                  | $\vdash$  | $\dashv$ | 寸        | $\dashv$ |
|          | 47       |   |                          |   |                 |            |          | 97       |                |         |                 |                    | -  |       |          | 147        | $\dashv$                |         | _                                      | t                  | H   | $\neg +$ | $\dashv$ | $\dashv$ |
|          | 48       |   |                          | $\top$  |                 |            |          | 98       | 1 1            | $\top$  | $\Box$          | $\top$             |  |       |          | 148        | $\dashv$                |         | +                                      | †                  | H   | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 49       |   |                          | +++   |                 |            | _        | 99       | 1 -            |         |                 | $\top$             | $\vdash$   | 1     |          | 149        | -                       | +       | +                                      | $\vdash$           | -   | $\dashv$ | -+       | $\dashv$ |
|          | 50       |   |                          | 111   |                 |            |          | 100      | +              | +       | $\vdash$        | +                  | - -  |       |          | 150        | -+                      | _       | +                                      | <del> </del>       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ |
|          |          |   |                          |   |                 | 11.00      | 1        |          |                |         | L. L.           |                    | <u>tl</u>  | 10000 |          | 100        | - 1                     | 1       | 1                                      | 1                  | i l   | - 1      | 1        | - 1      |